



EUREF 2019 SYMPOSIUM

Tallinn, Estonia 22 May – 24 May



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Control of the consistence between active and passive parts of the State geodetic network





Height determination using GNSS



Campaign 2018:

- 13 nodal points of the 1th order leveling (+2 control points for each)
- three-day satellite observations
- Software BERNESE, version 5.2
 The control leveling of the 1th order between nodal point and their control points



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MAA-AMET

Multivariant adjustment of the 1th and 2th order leveling networks

Height differences (EVRS & Kronstadt)



Adjustment :

- \checkmark reference points
- EVREF2019 (preliminary adjustment results, BKG)
- Kronstadt height system (new realization, preliminary adjustment results, Russia)
- ✓ three cycles of the 1th and 2th order leveling
 - 1940, 1947-1949
 - 1970-1983
 - 1993-2015



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Inspection of the fundamental benchmarks of the 1th and 2th order leveling networks



- 177 fundamental benchmarks have to be inspected for this year (at present this work is performing)
- The goal is to determine:

are the benchmarks well preserved and suitable for satellite observations?









Local coordinate systems



At present in a few towns a reconstruction of the local geodetic networks is performed in order to eliminate existing deformations.

The goal is to provide a compatibility of the CORS permanent network and local geodetic networks in the towns











Plans for near future

- Creation of a modern gravimetric network
- Establishment of a new national geocentric coordinate system (ITRS/ETRS realization) and a new normal height system in Belarus
- Creation of a national gravimetric quasi-geoid model





